100

DOCUMENT HANDLER — 140

BUSINESS LOGIC — 150

CONVERSATION CONTROLLER — 120

CDL DESCRIPTION FILE — 110

XML DOCS — 130

XML DOCS — 130

INBOUND   OUTBOUND

FIG. 1

FIG. 2

<u>300</u>

305

```
-<Conversation id="conv123" name= "StoreFrontService" InitialInteraction ="Start"
    FinalInteraction ="End">
- <ConversationInteractions>
    <Interaction InteractionType = "Empty" id="Start" />
310 <Interaction InteractionType= "Empty" id="End" />
    <Interaction StepType="ReceiveSend" id="Startup">
311     - <InboundXMLDocuments>
312         <InboundXMLDocument
                hrefSchema="http://convl23.org/LoginRQ.xsd" id="LoginRQ" />
            <InboundXMLDocument hrefSchema = "RegistrationRQ.xsd"
                id = "RegistrationRQ" />
        </InboundXMLDocuments>
        - <OutboundXMLDocuments>
            <OutboundXMLDocument
                hrefSchema="http://conv123.org/ValidLoginRS.xsd"
                id="ValidLoginRS" />
            <OutboundXMLDocument
                hrefSchema="http://conv123.org/RegistrationRS.xsd"
                id = "RegistrationRS" />
        </OutboundXMLDocuments>
    </Interaction >
    - <Interaction StepType="ReceiveSend" id="LoggedIn">
313     - <InboundXMLDocuments>
            <InboundXMLDocument
                hrefSchema="http://convl23.org/CatalogRQ.xsd"
                id ="Catalog RQ" />
        </InboundXMLDocuments>
        - <OutboundXMLDocuments>
            <OutboundXMLDocument
                hrefSchema="http://convl23.org/CatalogRS.xsd"
                id="CatalogRS" />
        </OutboundXMLDocuments>
    </Interaction>
    - <Interaction StepType="ReceiveSend" id ="Registered">
314     - <InboundXMLDocuments>
            <InboundXMLDocument
                hrefSchema="http://convl23.org/LoginRQ.xsd" id="LoginRQ" />
        </InboundXMLDocuments>
        - <OutboundXMLDocuments>
            <OutboundXMLDocument
                hrefSchema="http://convl23.org/ValidLoginRS.xsd"
                id="ValidLogiinRS" />
        </OutboundXMLDocuments>
    </Interaction>
    - <Interaction StepType="ReceiveSend" id ="Catalogued">
315
```
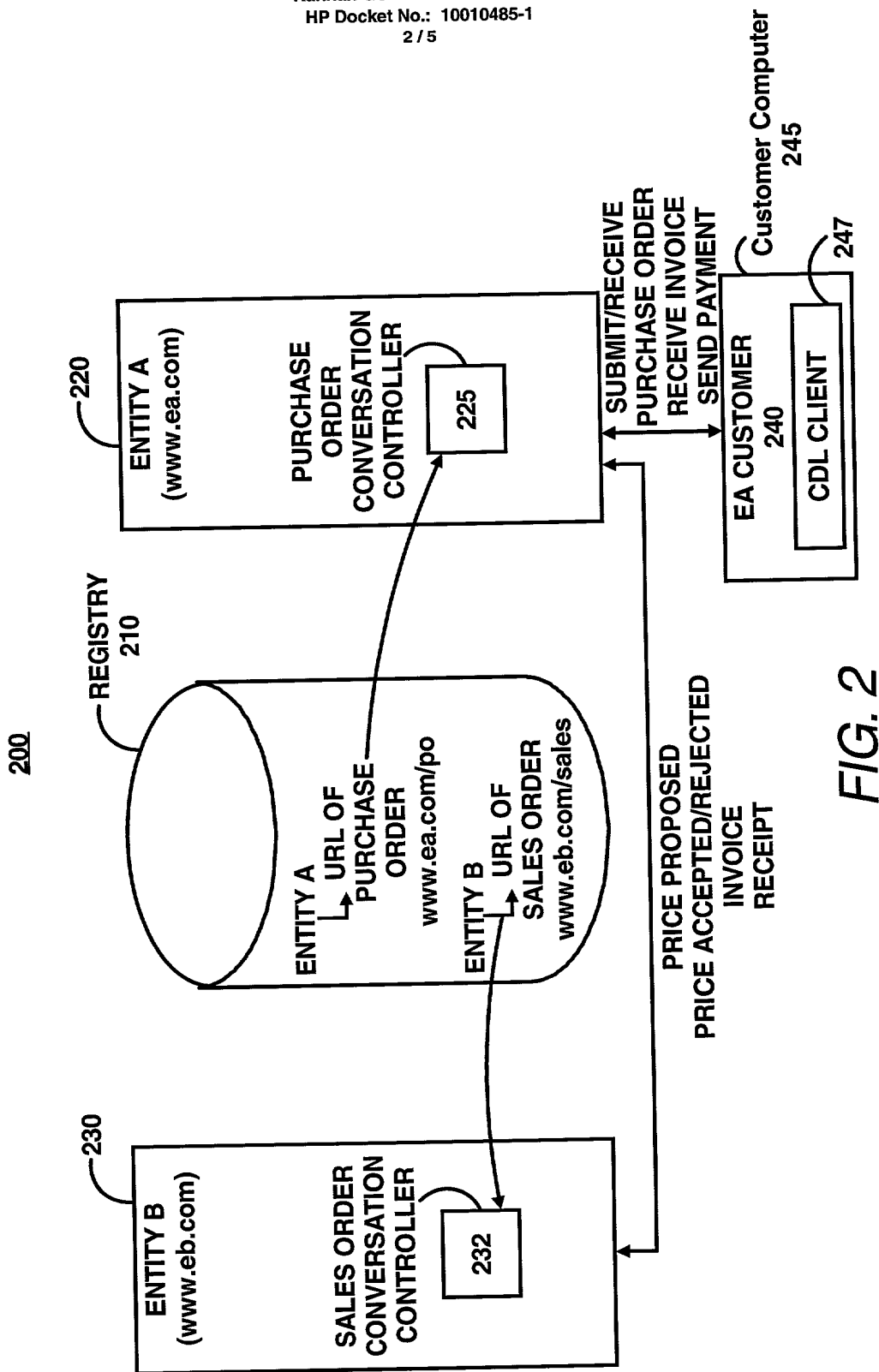
FIG. 3A

<u>300</u>

```
- <InboundXMLDocuments>
    <InboundXMLDocument
      hrefSchema="http://convl23.org/QuoteRQ.xsd" id="QuoteRQ" />
    </InboundXMLDocuments>
  - <OutboundXMLDocuments>
      <OutboundXMLDocument
        hrefSchema="http://convl23.org/QuoteRS.xsd" id="QuoteRS" />
      </OutboundXMLDocuments>
    </Interaction >
  - <Interaction StepType="ReceiveSend" id ="Quotation">
  - <InboundXMLDocuments>
      <InboundXMLDocument
        hrefSchema="http://convl23.org/PurchaseOrderRQ.xsd"
        id="PurchaseOrderRQ" />
      </InboundXMLDocuments>
    - <OutboundXMLDocuments>
        <OutboundXMLDocument
          hrefSchema="http://convl23.org/InvoiceRS.xsd"
          id="InvoiceRS" />
        </OutboundXMLDocuments>
      </Interaction>
    <Interaction StepType="ReceiveSend" id= "Invoiced">
  - <InboundXMLDocuments>
      <InboundXMLDocument
        hrefSchema="http://convl23.org/AuthorizePaymentRQ.xsd"
        id="AuthorizePayrnentRQ" />
      </InboundXMLDocuments>
    - <OutboundXMLDocuments>
        <OutboundXMLDocument
          hrefSchema="http://convl23.org/ConfirmationRS.xsd"
          id="ConfirmationRS" />
        </OutboundXMLDocuments>
      </Interaction>
    <Interaction StepType="ReceiveSend" id="end">
        <InboundXMLDocuments />
        <OutboundXMLDocuments />
      </Interaction>
    </ConversationInteractions>
  - <ConversationTransitions >
    <Transition>
        <SourceInteraction href="Start" />
        <DestinationInteraction href="Startup" />
      </Transition>
  - <Transition >
        <SourceInteraction href= "Startup" />
```

316
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318
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321

FIG. 3B

<u>300</u>

```
            <DestinationInteraction href="LoggedIn" />
            <TriggeringDocument href="ValidLoginRS" />
         </Transition>
         <Transition>
322           <SourceInteraction href="Startup" />
            <DestinationInteraction href = "Registered" />
            <TriggeringDocument href= "RegistrationRS" />
         <Transition>
323              <SourceInteraction href="Registered" />
            <DestinationInteraction href="LoggedIn" />
            <Triggering Document href="ValidLoginRS" />
         </Transition>
         <Transition>
324           <SourceInteraction href="LoggedIn" />
            <DestinationInteraction href= "Catalogued" />
            <Triggering Document href ="Catalog RS" />
         </Transition>
         <Transition>
325           <SourceInteraction href= "Catalogued" />
            <Destination Interaction href="Quotation" />
            <TriggeringDocument href="QuoteRS" />
         </Transition>
         <Transition>
326           <SourceInteraction href= "Quotation" />   .
            <DestinationInteraction href= "Invoiced" />
            <TriggeringDocument href="InvoiceRS" />
            </Transition>
         <Transition>
327  <SourceInteraction href="Invoiced" />
            <DestinationInteraction href="End" />
            <TriggeringDocument href ="Confirmation RS" />
         </Transition>
         <Transition >
328      <Destination I nteracti on href="End" />
            <TriggeringDocument href="Quit" />
         </Transition >
         </Transition>
      </ConversationTransitions >
   </Conversation>
```

FIG. 3C